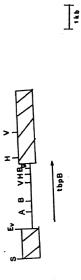


Plasmid 482



tbpB

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1101 ATTGATTCCA CAATGTTCAA AGATGCGTAT GCTTTACTTA AAGCAGAAGA 1151 TGGCGAATAC TGTTCAAGTA GATATCATGA AAAAGAGTGC TTATATTCAA 1201 TTTTTTATTT TTTATTTAAT TTCTTTCCAC AAAAGATCAT TTTCAATTAT 1251 ATATACTGGA ATTTTGCCTT ACGCTATCTG TCATTTATTA TGCTATTCAA 1301 GCACAACAAA CTATGGAACA ACAATCAAAA TGTACGCTTA TCGGCTGCCG 1351 ATGATTTCGA TAATGATCGA TGTGCAGAAA TATTTGAACT TACGATTTTC 1401 ACTGAGCAGT CAAAGCACGT TCGCGAGTAT CGACTCTACT TTATTTATCG 1451 TTTGTGCACT ATGTATAATC CACCTAATTC CGTGCCTTGG CCATAAAAGC 1501 CCCCTTCAAA TTGTATTTAT ATCAGCTACC GTGCCACCAT TCGTACTTTT 1551 CGGATCAAGA TTAAAACAGA ATCCCTGCAT GCACAGCGAA ATCAGCTGCG 1601 GTATGCGAAA CGCCGCAGGA GCGCAGTACG CGAAGTGTAC CGTCACTATC 1651 AGTGCTAGAT TTGTCAATAA AAAATTAGTG ACCAAGCTTG GGTGCATAAT 1701 GATGGTGATG AAAGAACGCT CAATGCTTGA CACGTTGCAG GCTATCTGTA 1751 AGGGTATGGT AGTTACAGGC ACAGCCCAAA CGGCCAATTG CTGGTTTTTT 1801 ATCCTTGATC CGAACAGTAC GAATGGTGGT CACGGTAGTG CATATACATA 1851 CTCAATTGAA GGGGGCTTTT ATGGCCCTAA GGCGACGGAA TTAGGTGGTA 1901 TTGTACATAG TGCAGAAACG GATAAAGATA GAGTCAGTAT TACATTCGGC 1951 GGAAAACGTC AAATAGAAAA ATAATCATAA TTCCCCTTTG CTGGTTGTAG 2001 ATAGCAGCGG GCAATTTTTT ATAAAAATTT GCAAAATTTA AATAA

tbpA

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251	TTGGTATTCG	TGATTTAACT	CGCTATGACC	CTGGTATTTC	GGTGGTGGAA
			TGGCTATGCC		
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					A GATIGTACTC
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					A AGACGATATI
					TA TTTAGATGG
120	1 TTAGTGTT	CA AGCCAAGG	AT CCCTTATGO	G TTGCGCAT	AT GCCATGTGA

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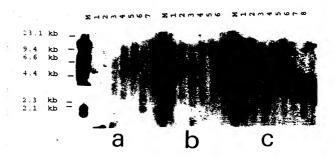
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PHTBPB	NGTBPB	MCTBPB
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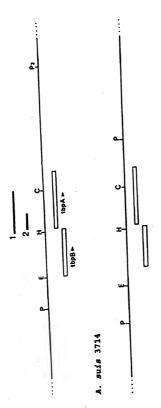


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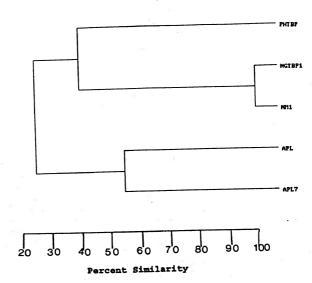
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NGTBP1		**
NM1	MOOQ-HLFRLNTICLSLATALE	
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PHTBP	SHYAHBRQNEVTGLGKVVKNYHENSKNQILDITGLTRYDFGIAVVEQGRG KKQKTRRDNEVTGLGKLVKTADTLSKEQVLDIRDLTRYDFGIAVVEQGRG	94
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NM1	KKOKTRONKAIGIGIKTAKSSDITTSKE * **********************************	
	*.*********	
	- I SCDANGGAINEIB	144
PHTBP	ASSGYAIRGVDKNRVSLLVDGLPQARSTRIAGARICGTPTAGSSGAINEIB	144
NGTBP1	ASSGYATRGUDKNRVSLLVDGLPQAHSIMI ASSGYSTRGHDKNRVSLTVDGLAQIGSYTAQAALGGTRTAGSSGAINEIE ASSGYSTRGHDKNRVSLTVDGVSQIQSYTAQAALGGTRTAGSSGAINEIE ASSGYSTRGHDKNRVSLTVDGVSQIQSYTAQAALGGTRTAGSSGAINEIE	144
NM1	ASSGYSIRGHDKNRVSLTVDGVSQIQSYTAQAALGGTKIA	
NMT	ASSGYSIRGHDKNRVSLTVDGVSGIQSTIAQAALBS	
	THE PROPERTY NAMED IN COLUMN TO PARTY.	194
	YENIRSIELSKGASSAEYGSGAHGGAIGFRTKDAQDIIKBGQHWGLDSKT	194
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NM1	SLRGNGNIKYAGNHKYGGLPTSGENNAPVGABTG SLKGLGKYSGDNKABRLFVQGEGSTLQGIGYGTGVFYDERHTKNRYGV	
MPIZ		
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	TYKY-KPENNRWLDS INSCVRALRSRCCALS ROUTE DAY BOOTHCSA-D	451
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NGTBP1		
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	NM1		
			702 687
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	NGTBP1	DWLDLTYRTSTGFREESFALL	6/0
	NM1		-
		TO THE PARTY OF TH	742
	PHTBP	SAIYNVDVRYCKTLYYRGQQLGDRATGWRAP-AYLNAQSARIT	736 727
3	NGTBP1	SAIYNVDVRYCKTLY - YRGQOLGDRATAGARTVA GDFGNLEASWFRNAYRDLIVRGWEAGILGOKEGVKGNF - AYLNAGSARIT GDFGNLEASYFNNAYRDLIAFGYETRTONGGTSASGDF - GYRNAGNARIA GDFGNLEASYFNNAYRDLIAFGYETRTONGGTSASGDF - GYRNAGNARIA	121
0	NWI		770
4			776
17	PHTBP	APG	777
A.	NGTBP1	GINILGKIDWNGVWDKLPEGWYSTFAYNRYKVKDIADIRADRIFVTSYLFD GINILGKIDWHGVWGGLPDGLYSTLAYNRIKVKDADIRADRIFVTSYLFD	
4	MAIT		
j1		THE PROPERTY OF THE PROPERTY O	815
200	PHTBP	APFVGSNGLHTNSKSCFNGRLHEPIPYFFNFLRNVPRFNEYHCCC AIQPSRYVVGSGYDQPBSMGVNGMLTYSKAKEITELLGSR -YSKAKSYDELLGSS	827
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pulls	NM1	AMODEDVOTGLGYDHPDGIMGINIII	
gests design			863
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APL		
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	* .*	96
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APL7		
APL.	NKK	
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KPL,		320
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PHTBP1	TAGENTERYSIBADIAGNEFEG	275
APL		
APL7	RBRIT	
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PHTBP1	REQUITE THE COLUMN OF THE PROPERTY OF THE PROP	375
APL	RRQLTIQUILLI INGQKIDLAGVNFRNSTVEINGKINVAVACCSNLE AKELNIFGDASVLI INGKKIKLAGSGFINKHTIE INGKINVAVACCSNLE ISELNIFGDASVLI INGKKIKLAGSGFINKHTIE INGKINVAVACCSNLE	
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	*	510
	SRLHRLHCSDYPVVDINCGPTLDKSWSMYRTERNNYQBKATCHSFCI	517
PHTBP1	SRLHRLHCSDYPVVDKNCGPTLDKSNSNYRTERRNY (DAATCH) ALVSKGTNM LABADNIRESGYRTEFDVNFSDKKVNGKLFDKGGVNPVFTV ALVSKGTNM LABADNIRESGYRTEFDVDFGKKNLSGKLFDKNGVNPVFTV	471
APL	ALVSKGTNWIAEADNINGSGYPTRFDVDFGNKNLSGKLFDKNGVNPVFIV	4.4
APL7	ALVSKOTIN LARDINIRESGYRTEFDVIPSDEXVIGLEFDINGVIPPFTV AQVSKENNWATADDDREAGYRTEFDVDFGNEHLSGKLFDENGVIPPFTV	
APL.	*	560
	LKALNAGOGVPKOTHKLNI.GLGFESNLIRLTIIGIILPNIPKAGYTSYRG LKALNAGOGVPKOTHKLNI.GLGFESNLIRLTIIGIILPNIPKAGYTSYRG LKALNAGOGVPKOTHKLNI.GLGFESNLIRLTIIGIILPNIPKAGYTSTR	564
PHTBP1	Lkalnagggvfkothkunigigfesnitritigiilpripkadifyr Datin-Gngfigsaktsdsgfaldagssghgravfsdikvnggfygft Datin-Gngfigsaktsdsgfaldagssryknykrhdvavsogfygft	518
	DATIN-GNGFIGSAKIBDSGFALDSGSSRYENVKFNDVAVSGGFYGFT	210
APL	DAKID-GNGFIGRARISDES	
APL7		
	RGRLDNPYIYRRDPRSIBTVSLCNNTRATLEDER 593 AGBLGGOPHHKSDNGSVGAV 593 AGBLGGOPHHKSDNGSVGAV 547	
PHTBP1	AGBLGGQPHHKSDNGSVGAVK 547	
APL		



68 kDa

43 kDa

29 kDa

4 1 2 3 4 5 6 7 8

200 kDa -

97 kDa —

68 kDa _

43 kDa -

29 kDa -

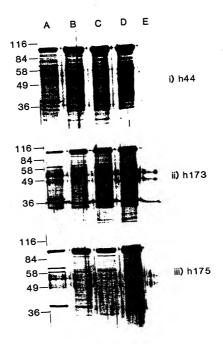


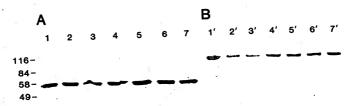
M 1 2 3 4 5 6 7 8

97 kDa - 68 kDa _ 43 kDa _

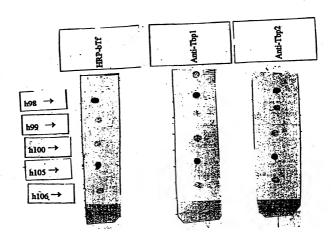
HRP- bTf	HRP- oTf	HRP- cTf	HRP- eTf
h173- •	•	•	
h174- ●	•	•	•
h175- ூ	•	•	
h176- ●	•	•	
h44 -	•	•	
h50 -			•

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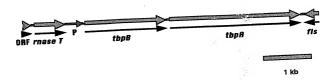




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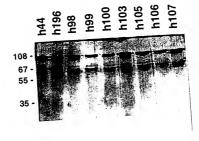
	1168 ATTITITATCTAATCTAAAAAACAAGCGTTTCCACCTTGGAAATGATTAACATGATC
į	CTGAAACTAATAAAGTTCAAACC <u>TTTACA</u> TTAAGTT <u>TATATTATAAATTAATAAA</u> CA - 10
į	TTATTATTTTATAAA <u>TTAAAGGAG</u> ACATT <u>ATG</u> TTTAAACTTAAAAGTAGTTTTGTA
	SD Met ₁₃₀₉
J.	CTGtbpBGAAAAATAATCATAATTCCCCTTTGCTGGTTGTAG
1	SC ₃₀₆₃ ATAGCAAGCGGGCAATTTTTTATAAAAAATTTGCAAAATTTAA <u>ATAAAGGAG</u> ACCCT
ak mi	ATTAGCAAGCGGCCATTTTCGC
U	
Ø,	Met ₃₁₅₁ TTTCAGTTTAGCATTTGAAATGAAGTTT <u>TAG</u> .
ű	sc ₅₉₄₃

DAYSIYSO 112

i

ATGTTTAAACTTAAAAGTAGTTTTGTACTGCTTAATGCGGCGCTACTTGCTGCTTGTTCCT CAAATGGTGGAAGCTTTGATGTTCAATCTGCCAAAGTTGAATCTCAAACGCAAACTACCCC CAAAAAGCCAAGTTTACAAGATGATAATAGTAACGCAAGACGTACAGTAAGCGCTTCTGAA ACTGAAGCTTTATTGCAGCCGGGGTTTGGTTTTTCAGCCAAAATTCCGCGTCGTAATCTCC TTCCGCAGGGGAAGGAAGATGTAGCCCCTATTGGTGATATAAAAGAGATTACTGGAGATCT GCCAAAAATTCCGTATGAAGAAGAGGTTAAAGCGTGCGGTAGTAGTGCTGATGGATTTAGC ATGTTGTGCATTCTGGTCCAAAACCTGAAATAAAGCCTAAAGAAATTTTGAGAACAGGTGC ACTTATAAAGGATATTGGGATTTTACTACCTATGCGGCTAAGGGGAGAGATAGTAATATTT TTCTAATTCCCGCAGGCATCAATAGTGGCGCCATACCGGAAAATAGTCACGATATTAATGT TGATGATTCTGAAAAACCAATGGGGCATACAGGAGAATTTACGGCTGATTTTGCTAATAAA ACTTTAACTGGAACATTGGTTCGTAATGGGTATGTTAGTCGTAGCAAAGAGCAAAAAATTA CAACAATTTACGATATTGATGCGAAAATTAAAGGTAATCGCTTTTCTGGTAAAGCAAACCC AAAAAAACCGATGATCCTTATTTTTGGGAAAAGCTCCACGACACTTGAAGGTGGATTTTTT GGTGGGGAGGCTCAAGAACTTGCCGGTAAATTCTTAGCTGATGATAAGTCGGTATTTGTTG TTTTTGCTGGCACACGAGATGCTAAAAAAGATGATAGTGAATCTGCCTTTGATGCTTTCCC AATTAAACTTAAAGATTTAAATAAATCTGAGATGGATACTTTCGGGAATGCGACACATTTG ATTATTAACAATAAGCAGATTCCACTTATTGCGGAAGCCACAAAAAGCTTTGCCGAGATGA AATTTGATGATTTGGTTACCCGTACTATTGATGGAAAAACGTATCGAGTTTCAGTCTGCTG TAATAATTTAGATTATGTCAAATTTGGGATTTATAGCGAGGGAAATAATAGTGATACTGCT CTCCAAGAATATTTAGTAGGAGAACGTACAGCTCTGGCAGATTTGCCAACAGGGACAGTAA AATATCGAGGTACTTGGGACGGGTAATGTACAGTAAATCTGGCTCGGCAGGGGTTGAATC GCCAAGTAACAGCGAAAGTGGTACTCGTTCACTATTCGATGTAGATTTTGTCAATAAAAAA ATTAATGGCAAGCTGATTGCTAATGATGGTGTTGAAGAACGCCCAATGCTGACACTGGAAG GCAATCTGAAAGGGAATGGTTTTGGAGGCACAGCCAAAACGGGCAATTCTGGTTTTAATCT TGATCCCAAAAGTACGAATGGTGGCACGGTAGGGCATATAAATACTCAATTTGAAGGGGGC TTTTATGGCCCTAAGGCGACGGAATTAGGTGGTATTGTACAAAATACAGAAACGGATAAAG ATAGAGTCAGTATTACATTCGGCGGAAAACGTCAAATAGAAAAATAA

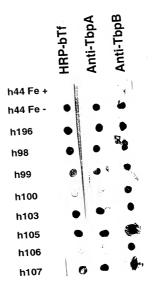
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h44 Fe +	(c)	9	€
h44 Fe -	•	•	•
h196	•	•	•
h98	•	•	•
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h100		•	•
h103	•	•	•
h105	•	Ø	
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h107		~	•

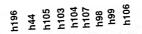


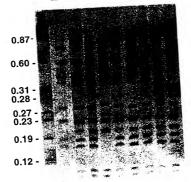
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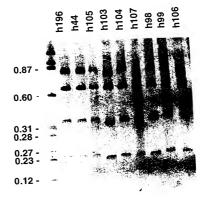
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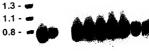
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В

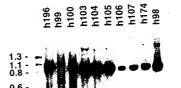
h196 h100 h103 h104 h105 h105 h174 h174

Δ



0.6 - --

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В